Contents of Volume 97

Volume 97 Nos. 1/2 June 1997

PREFACE
ACKNOWLEDGEMENTS

PART 1
FISH CONSUMPTION AND METHYLMERCURY EXPOSURE IN THE AMAZON

A.C. BARBOSA, A.M. GARCIA, J.R. DE SOUZA / Mercury contamination in hair of riverine populations of Apiacás Reserve in the Brazilian Amazon 1–8
E.D. BIDONE, Z.C. CASTILHOS, T.J.S. SANTOS, T.M.C. SOUZA and L.D. LACERDA / Fish contamination and human exposure to mercury in Tartarugalzinho River, Amapa State, Northern Amazon, Brazil. A screening approach 9–15
H.A. KEHRIG, O. MALM and H. AKAGI / Methylmercury in hair samples from different riverine groups, Amazon, Brazil 17–29
J. LEBEL, M. ROULET, D. MERGLER, M. LUCOTTE and F. LARRIBE / Fish diet and mercury exposure in a riparian Amazonian population 31–44
O. MALM, J.R.D. GUIMARÃES, M.B. CASTRO, W.R. BASTOS, J.P. VIANA, F.J.P. BRANCHES, E.G. SILVEIRA and W.C. PFEIFFER / Follow-up of mercury levels in fish, human hair and urine in the Madeira and Tapajós basins, Amazon, Brazil 45–51

PART 2
CHILD DEVELOPMENT AND LONG TERM EXPOSURE

G.J. MYERS, P.W. DAVIDSON, C. COX, C.F. SHAMLAYE, O. CHOISY, E. CERNICHIARI, A. CHOI, J. SLOANE-REEVES, C. AXTELL, P. GAO and T.W. CLARKSON / The Seychelles child development study: Results and new directions through twenty-nine months 53–61
B. WHEATLEY, S. PARADIS, M. LASSONDE, M.-F. GIGUERE and S. TANGUAY / Exposure patterns and long term sequelae on adults and children in two Canadian indigenous communities exposed to methylmercury 63–73

PART 3
POLICY AND PROGRAM CONSIDERATIONS

G. CHEVALIER, C. DUMONT, C. LANGLOIS and A. PENN / Mercury in northern Québec: Role of the Mercury Agreement and status of research and monitoring 75–84
M.A. WHEATLEY / Social and cultural impacts of mercury pollution on aboriginal peoples in Canada 85–90

PART 4
MODELLING, RISK ASSESSMENT AND EXPOSURE ESTIMATES

S. HACON, E.R. ROCHEDO, R. CAMPOS, G. ROSALES and L.D. LACERDA / Risk assessment of mercury in Alta Floresta, Amazon basin – Brazil 91–105
S. HOOVER, R. HILL and T. WATSON / Estimating risks from exposure to methylmercury: Application to first nations people in Canada 107–118
F.W. LIPFERT / Estimating exposure to methylmercury: Effects of uncertainties 119–145
S. PARADIS, B. WHEATLEY, J. BOSWELL-PURDY, D. BÉLISLE, M. COLE, H. LICKERS, A. HAYTON and K. DAVIES / Mercury contamination through fish consumption: A model for predicting and preventing hazardous behaviour on a community level 147–158
C. SEIGNEUR, P. PAI, M. GERATH, D. MITCHELL, G. HAMBY, G. GONG, C. WHIPPLE and L. LEVIN / Probabilistic assessment of regional mercury exposure 159–168

Water, Air, and Soil Pollution **97**: 445–447, 1997.

PART 5
OCCUPATIONAL EXPOSURE

A. KOBAL, T. DIZDAREVIČ / The health safety programme for workers exposed to elemental mercury at the mercury mine in Idrija 169–184
O. MALM, C.F. CALASANS, A.P. FERNANDES, W.R. BASTOS and W.C. PFEIFFER / Exposure to metallic mercury in workers in a tropical chloralkali plant evaluated through urine analysis, Rio de Janeiro, Brazil 185–191
S.E. POGAREV, V.V. RYZHOV, N.R. MASHYANOV and M.B. SOBOLEV / Mercury values in urine from inhabitants of St. Petersburg 193–198

Volume 97 Nos. 3/4 July 1997

SPECIAL SECTION

GLOBAL MERCURY POLLUTION FROM ANTHROPOGENIC FORCES WITH SPECIAL EMPHASIS ON SMALL-SCALE GOLD MINING

Section Editor, D.B. Porcella

D.B. PORCELLA, C. RAMEL and A. JERNELOV / Global Mercury Pollution and the Role of Gold Mining: An Overview 205–207
L.C. LACERDA / Global Mercury Emissions from Gold and Silver Mining 209–221
J.R. IKINGURA, M.K.D. MUTAKYAHWA and J.M.J. KAHATANO / Mercury and Mining in Africa with Special Reference to Tanzania 223–232
YUHUAN LIN, MINXIN GUO and WEIMING GAN / Mercury Pollution from Small Gold Mines in China 233–239
J.C. MOREIRA and F. PIVETTA / Human and Environmental Contamination by Mercury from Industrial Uses in Brazil 241–246
L.D. LACERDA / Evolution of Mercury Contamination in Brazil 247–255
M. LEERMAKERS, W. BAEYENS, R. EBINGHAUS, J. KUBALLA and H.H. KOCK / Determination of Atmospheric Mercury During the North Sea Experiment 257–263
JOANNA BURGER / Ecological Effects and Biomonitoring for Mercury in Tropical Ecosystems 265–272
C.D. CARRINGTON, G.M. CRAMER and P.M. BOLGER / A Risk Assessment for Methylmercury in Tuna 273–283

REGULAR SECTION

S. SENICZAK, A. KLIMEK, G. GACKOWSKI, S. KACZMAREK and W. ZALEWSKI / Effect of Copper Smelting Air Pollution on the Mites (Acari) Associated with Young Scots Pine Forests Polluted by a Copper Smelting Works at Głogów, Poland. II. Soil Mites 287–302
I. AMEZAGA, A. GONZALEZ ARIAS, M. DOMINGO, A. ECHEANDIA and M. ONAINDIA / Atmospheric Deposition and Canopy Interactions for Conifer and Deciduous Forests in Northern Spain 303–313
T. TIŠLER and J. ZAGORC-KONČAN / Comparative Assessment of Toxicity of Phenol, Formaldehyde, and Industrial Wastewater to Aquatic Organisms 315–322
YIQIANG ZHANG and J.N. MOORE / Controls on Selenium Distribution in Wetland Sediment, Benton Lake, Montana 323–340
L. POISSANT / Field Observations of Total Gaseous Mercury Behaviour: Interactions with Ozone Concentration and Water Vapour Mixing Ratio in Air at a Rural Site 341–353

YUNFENG SHAN, TAKESHI IZUTA, MASATOSHI AOKI and TSUMUGU TOTSUKA / Effects of O_3 and Soil Acidification, Alone and in Combination, on Growth, Gas Exchange Rate and Chlorophyll Content of Red Pine Seedlings 355–366

JUN WEN LI, ZUOBIN YU, MING GAO and XINPEI CAI / Trihalomethanes Adsorption on Activated Carbon Fiber and Granular Activated Carbon 367–378

J.-F. KOPRIVNJAK and LAURIER POISSANT / Evaluation and Application of a Fugacity Model to Explain the Partitioning of Contaminants in the St. Lawrence River Valley 379–396

C.R. PAIGE, W.J. SNODGRASS, R.V. NICHOLSON, J.M. SCHARER and Q.H. HE / The Effect of Phosphate on the Transformation of Ferrihydrite Into Crystalline Products in Alkaline Media 397–412

M.A.R. ABDEL-MOATI and A.A. EL-SAMMAK / Man-Made Impact on the Geochemistry of the Nile Delta Lakes. A Study of Metals Concentrations in Sediments 413–429

H.S. RATHORE, R. SHARMA and S. MITAL / Spot Test Analysis of Pesticides: Detection of Carbaryl and Mancozeb in Water 431–441

Book Review / W.L. Graf, *Plutonium and the Rio Grande: Environmental Change and Contamination in the Nuclear Age* (K.C. PILLAI) 443–444

Contents of Volume 97 445–447